

Polyclonal Antibody to Pregnane X Receptor (PXR)

Pregnane X Receptor
Catalog # AP74618

Product Information

Application	WB
Primary Accession	Q9R1A7
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49660

Additional Information

Gene ID	84385
Other Names	NR1I2; SAR; PAR1; PAR2; PRR; BXR; ONR1; PAR; PARq; SXR; Nuclear Receptor Subfamily 1, Group I, Member 2; Steroid and xenobiotic receptor; Pregnane X receptor
Target/Specificity	Rattus norvegicus (Rat)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

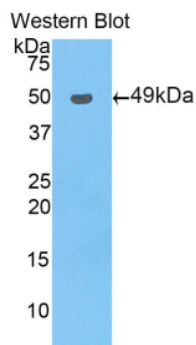
Name	Nr1i2
Synonyms	Pxr
Function	Nuclear receptor that acts as a transcription factor regulating genes involved in the metabolism and excretion of xenobiotics, drugs, and endogenous compounds. Activated by a broad range of endogenous steroids (e.g. pregnenolone, progesterone) and xenobiotics, including the antibiotic rifampicin and certain plant- derived metabolites. Upon ligand binding, translocates to the nucleus, forms a heterodimer with the retinoid X receptor/RXR, and binds to response elements in target promoters, leading to transcriptional activation. Target genes include cytochrome P450 enzymes such as CYP3A4 and ATP-binding cassette transporters including

ABCB1/MDR1.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407}.

Images



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